

**PROSPECTUS CUM INFORMATION
BULLETIN**

**TRIPURA JOINT ENTRANCE
EXAMINATION-2022
(TJEE-2022)**

**Date of Examination
27th April, 2022**

**Tripura Board of Joint Entrance Examination
Shiksha Bhavan
Agartala, Tripura-799001**

Online Applications for Tripura Joint Entrance Examination-2022 (TJEE-2022)

Opening date: 16-02-2022

Closing Date: 02-03-2022

The Tripura Board of Joint Entrance Examination (TBJEE) will conduct **Tripura Joint Entrance Examination (TJEE)-2022 based on its existing syllabi**, to prepare a merit list for admission to Engineering, Technological, Veterinary, Agriculture, Fisheries, Paramedical and other Professional Degree Courses against available seats reserved for the State of Tripura. It is to be noted that the admission of a candidate to a certain College / University will be subjected to the fulfillment of eligibility criteria regarding cut-off marks and other norms as specified by the respective departments of State & Central Government/ Institution/ Council/ Body etc.

The application must be done through online mode only. There is no printed application form available. The programme of Tripura Joint Entrance Examination (TJEE)-2022 for four different subjects is as follows:

Date & Day	11.00 A.M. to 12:30 P.M.	1:30 - 2:15 P.M.	2:45 - 3:30 P.M.
27 th April, 2022 (Wednesday)	Physics & Chemistry	Biology	Mathematics

Candidates seeking admission to **Engineering/ Technological Degree Courses (Group-A)** will have to appear in **Physics, Chemistry and Mathematics** and those seeking admission to various Degree Courses of **Veterinary/ Agricultural/ Fisheries, Paramedical and others (Group-B)** will have to appear in **Physics, Chemistry and Biology**. Candidates desiring to take chances in both of the above groups (**Group-C**) will have to appear in all the four subjects. **Candidates are directed to go through the Prospectus for filling-up of application form, question pattern and mode of answer, available in the website www.tbjee.nic.in.**

Examination Centre

The examination will be conducted at Dharmanagar, Kailasahar, Ambassa, Udaipur, Santirbazar and Agartala.

Eligibility for Appearing at Tripura Joint Entrance Examination

- Candidate must be a citizen of India.
- Candidate must be a permanent resident of Tripura and either the candidate or his/her parent must have been residing in the state of Tripura continuously for not less than **10 (ten) years** immediately prior to the date of making application for appearing at the Joint Entrance Examination-2022. Permanent Resident of Tripura Certificate (PRTC) issued by the appropriate authority of candidate/father/mother which one is applicable, must be submitted before counseling, when asked so.

(c) Candidate must have passed / appeared / due to appear in the year of Joint Entrance Examination at the Higher Secondary Examination of Tripura Board of Secondary Education / Central Board of Secondary Education or equivalent examination with the subjects in which he / she desires to appear at the Joint Entrance Examination.

(d) Children of All India Services Officers of Manipur-Tripura cadre and the children of the employees of State Government posted outside Tripura will be eligible to appear at the examination irrespective of their prior stay in Tripura.

(e) In case a candidate is not permanent resident of Tripura but his / her parent is an Officer on deputation to the Government of Tripura / Officer of the Central Government working in Tripura and has served in Tripura continuously for a period of 3 (three) years or more and the candidate have passed or appeared / due to appear at the H.S.(+2) Examination or equivalent from an Institution of Tripura, is eligible for appearing in the Examination.

(f) **In case of Wards of Ex-Serviceman**, either the candidate or his/her parents must have been staying in Tripura continuously for not less than 5 (five) years immediately prior to the date of making application for appearing at the Tripura Joint Entrance Examination and the candidate must have passed or appeared / due to appear at the H.S.(+2) Examination or equivalent in the year of Joint Entrance Examination from any legally recognized institution in India with subjects in which he / she desires to appear at the Joint Entrance Examination.

Children of serving defense personnel (Army / Navy / Air Force) hailing from Tripura are also eligible to appear at the Tripura Joint Entrance Examination provided that their children should have stayed in Tripura continuously for not less than 5 (five) years immediately prior to the date of making application for appearing at the Joint Entrance Examination of Tripura and that the candidate must have passed or appeared / due to appear at the H.S.(+2) Examination or equivalent Examination in the year of Joint Entrance Examination from any institution of Tripura with subjects in which he / she desires to appear at the Joint Entrance Examination.

(g) If a candidate is allotted a seat in the past inside or outside the State on the basis of the result of Tripura Joint Entrance Examination he/she shall not be eligible to appear at the Tripura Joint Entrance Examination this year or subsequent year unless he/she has surrendered the allotted seat in writing within specific time to the appropriate authority.

However, if any amendment / change is / are made after issue of this Notification, the same shall be notified as per procedure.

Reservation

Reservation of seats for SC / ST / Persons with Disabilities (PwD)/ Wards of Ex-serviceman (ESM) candidates will be made as per Reservation Act of the State Government as notified from time to time. Certificate(s) issued by the appropriate authority (Directorate of Sainik Welfare for ESM candidates and District Disabilities Rehabilitation Centres for PwD candidates) shall have to be uploaded at the time of application by the candidate. **Further information regarding number of seats available and procedure of counselling will be published later on.**

Submission of Online Application

Online application should be filled up by the candidate through the link provided in the website www.tbjee.nic.in Candidates are not required to submit the hard copy of their online application confirmation page or any other document to TBJEE if not otherwise asked by the Board. Acknowledgement Page and Admit Card will not be generated if payment is not deposited within the stipulated date (closing date of application) and his/ her candidature will stand cancelled without further notification.

Examination Fees

Application fee plus Bank's/ Agency's Service charges, as applicable, are payable by NET banking/Debit Card/Credit Card.

Category wise Application Fee	
General male candidates	Rs 550/-
SC/ST male candidates	Rs 450/-
All Female** and BPL (male & female) candidates	Rs 350/-
Processing charges & Goods & Service Tax (GST) are to be paid by the candidate, as applicable.	

****As a special gesture of the Government of Tripura to encourage the girl students.**

IMPORTANT DATES AT A GLANCE

- 1. Online Submission of Application and Payment: 16th February to 2nd March, 2022**
2. Admit Card download: April, 2022 (2nd Week)
3. Tentative Date of Examination: **27th April, 2022**
4. Date of Uploading of Model Answer key: 29th April, 2022 (Evening)
5. Last date of receiving feedback: 4th May 2022 (up to 5 PM)
6. Tentative date of result publication: 4th week of May, 2022
7. Tentative period of counseling process: June-July, 2022

Important Instructions

Candidates are required to go through the instructions carefully before attempting for online application.

Once an application is received, it will be construed that the candidate agrees to all terms & conditions, rules & regulations stipulated in the Information Bulletin and notices published by TBJEE.

Any application not in compliance with the conditions specified in the Information Bulletin is liable to be rejected.

Instruction for Application

1. Candidates have to apply “**Online**” ONLY. The Application Form other than online mode will not be accepted.
2. Submission of Online Application Form should be done by accessing TBJEE website www.tbjee.nic.in only. Only one application is to be submitted by a candidate. Duplicate application may cause the rejection of the candidature.
3. Please ensure your eligibility as per the criteria laid down for TJEE-2022.
4. **It is essential to have a unique mobile number and a unique email ID for online application. All future communications will be sent through the registered mobile number and email ID. TBJEE will not be responsible for non-receipt of any communication by the candidates if the mobile number and/or the email ID are wrong/non-existing/ changed.**
5. The candidates should select only one (01) from six centers of examination as per their choice.

6. Instructions for Filling Online Application Form

a) Registration:

Once the registration details i.e. name, gender, date of birth and E-mail ID are entered and submitted, they cannot be changed/modified/edited under normal circumstances. **Note the Computer generated Registration number for future communications.** The information provided in this section must match exactly with the school admit cards, mark sheets, certificates, photo identity cards, caste/category certificates etc. which a candidate has to produce at the time of entering the examination hall, during counseling process, during admission and during registration with the University.

b) Create Profile details:

- Candidate has to fill up his/her profile details in this section i.e. fill up the Personal details, Contact details and file uploads.
- Upload scanned images of Candidate’s Photograph (between 10 kb–200 kb), Candidate’s Signature (between 4kb – 30 kb), caste certificate (SC and ST students only), certificate of DDRC (for PwD candidates), certificate from Directorate of Sainik Welfare (for ESM candidates) and Ration card (for Male BPL candidate) in JPG/JPEG/PDF (max 1Mb) format only.

c) Fill online application

Fill up the application form online. The online application form contains the following sections: Qualification details, Residency details, Previous application details (if any).

d) Preview/Edit Application: Before final submission of application form check the details and edit if necessary.

e) Submit Application: You cannot edit the application form after the final submission.

f) Make Payment:

Make payment of fee using online payment gate and keep proof of payment. **The fee may be paid either by credit/debit card/ Net Banking** during the online filling of the application. No other mode like money order, DD, IPO etc. will be accepted. No request for refund of fee once remitted by the candidate will be entertained.

g) Print Acknowledgement

After successful completion of the application print out of acknowledgement should be taken by the candidate.

7. Candidates are not required to send/ submit any documents including acknowledgement of TBJEE until and unless they asked so.

8. **The use of Calculator/ mobile phone or any other electronics gadget such as ear phone, microphone, camera, tape recorder, any metallic item etc. inside the examination hall is strictly prohibited. Candidates are also not allowed to carry Instrument/ Geometry/ Pencil box, Handbag, Purse, Any kind of Paper/ Stationery/ Textual material (printed or written material), Eatables and Water (loose or packed), in the examination Room / Hall.**

9. Candidate must bring the **Admit Card of TJEE - 2022 in every session** of examination. It must be shown to the Officer-In-Charge / Invigilator in examination hall on demand.

10. Candidates are advised to keep visiting the TBJEE's website regularly for latest updates.

Examination Fee

The examination fees for different categories of candidates are as shown in the table below:

Category wise Application Fee	
General male candidates	Rs 550/-
SC/ST male candidates	Rs 450/-
All Female** and BPL (male) candidates	Rs 350/-
Processing charges & Goods & Service Tax (GST) are to be paid by the candidate, as applicable.	

****As a special gesture of the Government of Tripura to encourage the girl students.**

Choice of Group

Candidates willing to appear in Tripura Joint Entrance Examination have to pick one group from the following:

Group	Subject
Group-A	Physics, Chemistry and Mathematics
Group-B	Physics, Chemistry and Biology
Group-C	Physics, Chemistry, Mathematics and Biology

Instructions Regarding Examination

1. The Tripura Joint Entrance Examination will be conducted in a single day as notified.
2. There will be three shifts:- first shift will consist of Physics and Chemistry question papers, and subsequent two shifts will be consisting of Biology and Mathematics question paper.
3. The Board is conducting the examination through Optical Marks Recognition (OMR) system. The pattern of questions is Multiple Choice Question (MCQ) type.
4. The medium of Question Paper shall be in **English** and **Bengali**.
5. Four different subjects (Physics & Chemistry; Mathematics and Biology) will have Question paper series (P, Q and R).
6. The questions of the examination will be framed on the basis of the Syllabus available in the website www.tbjee.nic.in.
7. The syllabus for each subject is divided into 10 Modules.
8. There will be 30 (thirty) compulsory questions for each subject, taking 3 (three) questions from each Module.
9. Each question will carry 4 (four) marks, *i.e.* total marks will be of 120 (30×4) for each subject.
10. Duration of Examination of first shift (Physics and Chemistry) will be 90 minutes for 60 (sixty) questions and subsequent two shifts will be of 45 minutes each *i.e.* total timing 3 hrs.
11. Each question will have four options (*i.e.* A, B, C, D) out of which the correct/ closest option (A/B/C/D) is only to be identified in the OMR sheet.
12. **One mark will be deducted for each wrong answer.**
13. The percentile score of the students will be published along with the ranking during the publication of result.

Instruction Regarding Marking of OMR Sheet

Strict compliance of instruction is essential. Answer sheet will be processed by Electronic means in computer. Invalidation of Answer Sheet due to incomplete/ incorrect filling of the OMR sheet will be the sole responsibility of the candidate. Accordingly candidates are advised to adhere to the following instructions.

1. Write and mark your Roll Number, Test (Question) Booklet Series and Subject name in appropriate places on the OMR Sheet.
2. Mark the correct answer by darkening the circle.
3. Use of white fluid/eraser/blade etc. for correction in OMR sheet is not permitted.
4. Once marked, no change in the response shall be permitted.
5. More than one response is also not allowed. Multiple answers given against one question will not be considered for evaluation, *i.e.* marking more than one answer or marking alterations after marking an answer will result in zero mark.
6. Do not make any stray mark or any other mark on the OMR sheet.
7. Do not cut or mutilate the OMR sheet.
8. Do not fold or damage the OMR sheet.
9. Candidates should write the OMR Sheet Number (as provided in OMR sheet) in the Attendance Sheet before putting his/ her signature.

10. Candidate shall have to ascertain that the information furnished by them in the OMR Sheet are duly checked by the invigilator before putting his/ her signature.
11. **Candidates are to sign in 2 (two) places, one signature in the OMR Sheet and the other signature in the Attendance Sheet on the space specified for these.**
12. Do not do any rough work on the OMR Sheet. It may be done in the space provided in the Question paper.
13. There will be no re-checking/ re-evaluation of the OMR sheet.
14. Please ensure that you have returned the OMR sheet to the Invigilator before leaving the Examination Hall.
15. Adoption of any unfair means in the Examination Hall causing disturbance to others or indiscipline of any sort will lead to cancellation of your candidature followed by legal action (if necessary).
16. The signature should be identical with the signature which was uploaded by the candidate in **Online Application Form** submitted to the Board.

Sample of previous OMR sheet is shown below:

OMR ANSWER SHEET 2021				OMR SHEET NO. 12128
NAME OF THE CANDIDATE (IN CAPITAL LETTERS)				-Example- If the Roll Number is 1200, it should be filled up as-
INSTRUCTION FOR MARKING OMR SHEET				ROLL NUMBER
1. Use BLACK/BLUE Ball-Point Pen only. 2. Mark the correct Answer by darkening the circle. 3. Use of White fluid for correction in OMR sheet is not permitted. 4. Once marked, no change in the response shall be permitted. More than one response is also not allowed. 5. Do not make any stray mark on the OMR sheet. 6. Do not fold or damage the OMR sheet.				1 2 3 4 5 6 7 8 9 0 A B C D
7. Wrong Methods <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Correct Method <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				
ROLL NUMBER	QUESTION PAPER SERIES	SUBJECT	BARCODE	
<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9 <input type="radio"/> 0 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	<input type="radio"/> P <input type="radio"/> Q <input type="radio"/> R	PHYSICS & CHEMISTRY EXAMINATION DATE <input type="text"/> / <input type="text"/> / <input type="text"/>		
PART - A : PHYSICS		PART - B : CHEMISTRY		
1 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 2 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 3 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 4 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 5 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 6 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 7 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 8 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 9 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 10 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 11 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 12 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 13 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 14 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 15 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	16 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 17 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 18 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 19 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 20 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 21 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 22 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 23 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 24 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 25 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 26 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 27 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 28 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 29 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 30 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	31 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 32 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 33 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 34 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 35 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 36 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 37 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 38 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 39 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 40 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 41 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 42 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 43 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 44 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 45 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	46 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 47 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 48 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 49 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 50 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 51 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 52 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 53 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 54 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 55 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 56 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 57 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 58 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 59 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D 60 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	
DO NOT WRITE ANYTHING ABOVE THIS LINE				
I HEREBY UNDERTAKE THAT THE INFORMATION PROVIDED BY ME FOR MY ELIGIBILITY FOR THE TEST IS TRUE TO THE BEST OF MY KNOWLEDGE.		I HAVE CHECKED THE ROLL NUMBER AND QUESTION PAPER SERIES OF THE CANDIDATE		
CANDIDATE'S FULL SIGNATURE		INVIGILATOR'S FULL SIGNATURE		

Instructions :

Strict compliance of instruction is essential. Answer Sheet will be processed by Electronic means in computer. Invalidation of Answer Sheet due to incomplete/incorrect filling of the OMR Sheet will be the sole responsibility of the candidate. Accordingly candidates are advised to adhere to the following instructions :

1. Use black or blue ball point pen for marking the circle. Ink pen, pencil or pens with colours are strictly prohibited.
2. Write your Roll Number, Question Paper Series and Subject in appropriate places on the OMR Sheet.
3. Candidates should write the OMR Sheet No. (as provided in the top corner of right side) in the Attendance Sheet before putting his/her signature.
4. Candidates shall have to ascertain that the information furnished by them in the OMR Sheet are duly checked by the Invigilator before putting his/her signature.
5. Candidates are to sign in two places, both in the OMR Sheet as well as in the Attendance Sheet in the specified spaces given for it. The signatures should be identical with the signature given by the candidate in application form submitted to the Board.
6. The use of Calculators/Mobile Phone or any other electronic gadget inside the Examination Hall is strictly prohibited.
7. Multiple answers given against one question will not be considered for evaluation.
8. Do not fold, cut, mutilate or put any stray marks on the OMR Answer Sheet.
9. Do not do any rough work on the OMR Answer Sheet. It may be done in the space provided with the Question Paper.
10. There are 60 objective type questions (MCQ) in the Question Paper. Each question carries four (4) marks and one (1) mark will be deducted (negative marking) for each wrong answer.
11. There are four options (A, B, C, D) against each objective question, out of which one is correct/closest and the other three are wrong. Fill the circle corresponding to the correct/closest option only.
12. There will be no re-checking/re-evaluation of the OMR Sheet. Probable answer key shall be uploaded in the Website after the completion of the Examination.
13. Please ensure that you have returned the OMR Answer Sheet to the Invigilator before leaving the Examination Hall.
14. Adoption of any unfair means in the Examination Hall causing disturbance to others or indiscipline of any sort will lead to cancellation of your candidature followed by legal action (if necessary).

Sample of Previous Question Paper:

Physics

4. Two vectors $2\vec{P}$ and $3\vec{P}$ acting at an angle θ between them has resultant \vec{R} . When the 2nd vector is doubled, the resultant is also doubled. Value of θ is
- (A) 135° (B) 120° (C) 90° (D) 60°
- ৪। $2\vec{P}$ এবং $3\vec{P}$ ভেক্টরদ্বয়ের অন্তর্বর্তী কোণ θ এবং এদের লব্ধি \vec{R} ; দ্বিতীয় ভেক্টরটিকে দ্বিগুণ করলে এদের লব্ধিও দ্বিগুণ হয়ে যায়। θ -এর মান
- (A) 135° (B) 120° (C) 90° (D) 60°

Chemistry

15. Haemoglobin contains 0.335% Fe. It has the molecular weight 1.67×10^4 . Considering atomic weight of Fe is 56, calculate the number of Fe-atom(s) in haemoglobin.
- (A) 1 (B) 2 (C) 3 (D) 4
- ১৫। হিমোগ্লোবিনে 0.335% Fe আছে। হিমোগ্লোবিনের আণবিক ভর 1.67×10^4 । আয়রণের পারমাণবিক ভর 56 ধরে, হিমোগ্লোবিনে আয়রণ পরমাণুর সংখ্যা গণনা কর।
- (A) 1 (B) 2 (C) 3 (D) 4

Mathematics

17. a, b, c are the lengths of the sides of the triangle ABC . If the area of the triangle ABC is λ , then $a^2 \sin 2B + b^2 \sin 2A$ is equal to
- (A) 2λ (B) λ (C) 4λ (D) 6λ
- ১৭। a, b, c ত্রিভুজ ABC -এর বাহুগুলির দৈর্ঘ্য নির্দেশ করিলে এবং ABC ত্রিভুজের ক্ষেত্রফল λ হইলে $a^2 \sin 2B + b^2 \sin 2A$ এর মান হইবে
- (A) 2λ (B) λ (C) 4λ (D) 6λ

Biology

16. The hormone thyrocalcitonin is produced from the
- (A) cubical cells (B) parafollicular cells
(C) β -cells (D) α -cells
- ১৬। থাইরোক্যালসিটোনিন নামক হরমোনটি যা থেকে উৎপন্ন হয়
- (A) কিউবিকাল কোশ (B) প্যারামফলিকিউলার কোশ
(C) β -কোশ (D) α -কোশ

Seats

Total number of seats along other criteria regarding eligibility shall be ascertained on the basis of the communication as received by the Board from the respective sponsoring departments. Reservation of seats for SC / ST / Persons with Disabilities (PwD)/ Wards of Ex-serviceman (ESM) candidates will be made as per Reservation Act of the State Government as notified from time to time.

It is to be noted that the admission of a candidate to a College/ University/ Institution will be subjected to the fulfillment of eligibility criteria regarding cut-off marks and others as specified by the respective departments of State & Central Governments / Institution / Council / Body.

Further information regarding number of seats available and procedure of counselling will be published later on.

Publication of Result

The result of Tripura Joint Entrance Examination may be published in the last week of May, 2022. However, some changes may take place due to unavoidable circumstances. The Board shall publish Merit list on the basis of the merit. This list includes the candidates who will appear in the examination qualifying the criteria fixed by the Board on consideration of all the aspects. **Result will be published through Board's website.** The Board does not keep any provision for post publication review at any stage and so will not entertain any such application in this regard.

The Merit list will be prepared on the basis of marks obtained by the candidate in the subjects, Physics & Chemistry (P&C), Biology (B) and Mathematics (M) as per his/ her option. For example, for a candidate, who opted for PCM group, Physics & Chemistry, and Mathematics will be considered; while for PCB group, Physics & Chemistry, and Biology will be judged.

The Breaking Method for Determining Merit Position

In case of tie following successive steps will be adopted as per norms:

	PCM GROUP	PCB GROUP
Step - 1	P+C+M	P+C+B
If tie occurs, then		
Step - 2	Higher Score in P+M	Higher Score in C+B
If further tie occurs, then		
Step - 3	Higher Score in M	Higher Score in B
If further tie occurs, then finally,		
Step - 4	DOB	DOB
Here, DOB means the Date of Birth of a candidate. Senior will be given the preference in merit position as per norms.		

Percentile Calculation

Percentile Score is the score based on the relative performance of candidates who have appeared for the examination. To calculate a percentile score, the marks secured are converted into a scale ranging from 100 to 0 (Percentile score). **Percentile score** is not the same as the percentage of **marks** obtained in the examination. In this method of **scoring** the HIGHEST

RAW SCORE (irrespective of the raw scores) will be the 100 Percentile indicating that 100% of candidates have scores equal to or lesser than the highest scorer/ topper for that examination.

The percentile calculation of the candidates may be done by the following way:

$$\text{Percentile score} = \frac{\text{Number of candidates who scored less than or equal to that candidate}}{\text{Total number of candidate}} \times 100$$

Suppose there are 5 candidates A, B, C, D, E have their scores are as follows

A-83, B-92, C-59, D-76 and E-42

Now, we want to calculate the percentile score of D (say).

Percentile score of D = (Number of candidates who scored less than or equal to the score of D / Total number of candidate) x 100

Now only two candidates (C & E) scored less than D and D himself

Therefore, Percentile score of D = (3/5) x 100 = 60%

Similarly Percentile score of C = (2/5) x 100 = 40%

And Percentile score of E = (1/5) x 100 = 20%

And Percentile score of B = (5/5) x 100 = 100%

The above calculation is carried out based on the formula taken from the NTA website (Page 44 and 45).

Reference: <https://jeemain.nta.nic.in/webinfo2021/File/GetFile?FileId=1&LangId=P>

Counselling

Seats of different professional degree courses are received from various sponsoring departments. These seats are usually reserved by the Govt. of India and the other central agencies for the state of Tripura. Beside these, other seats are provided by State Institutions. The seats will be distributed amongst the eligible candidates through counselling. **Online registration for counselling and participation in choice-filling within the stipulated time period is mandatory to get a seat by a candidate.** After getting selection through the process of counselling, the selected candidates will be nominated for admission in different degree courses by respective sponsoring department (For details see the guidelines for online counseling in TBJEE website www.tbjee.nic.in)

Following are the important points to be noticed regarding the general process of counselling:

- A. All the necessary documents in original along with self attested copy of each must be produced for verification when asked by the board.
- B. It is to be noted that the selection of candidates for a particular course to a certain College/ University will be subjected to the fulfillment of eligibility criteria, including the cut-off marks in Tripura Joint Entrance Examination, if any, of the respective College/ University.

- C. Certain College and University stipulate specific percentage of marks in last qualifying Examination (H.S. or equivalent) and some other conditions including cut-off marks, if any, for admission/ entry to different streams/ subjects of respective Colleges and Universities. Accordingly, selection will be made on the basis of Eligibility Criteria and cut-off marks, if any, obtained in Tripura Joint Entrance Examination as specified by the respective departments of State & Central Governments/ Institution/ Council/ Body.
- D. Candidates will be issued nomination letters for various courses of study on the basis of their performances in the Tripura Joint Entrance Examination.
- E. If a candidate is allotted a seat this year or in the past inside or outside the State on the basis of result of Tripura Joint Entrance Examination, he/ she will not be considered for allotment of seats unless he/ she has surrendered the allotted seat in writing within seven days excluding the date of receiving of the seats through counselling to the authority of the respective sponsoring department and produce the necessary proof for that at the time of Counselling.

Following documents in original are required at the time of off-line counseling, if any

1. **Admit card** of **Madhyamik** Examination or equivalent / **Birth certificate** as proof of age
2. **Admit card / H.S (+2 stage) Examination** or equivalent examination/ certificate from concerned institution as a proof of appearing in H.S (+2 stage) Examination or equivalent examination with the clear mention of subjects of Examination
3. **Marksheet** of (a) **H.S (+2 stage)** or equivalent Examination and (b) **Madhyamik** or equivalent Examination
4. **PRTC (not Citizenship certificate)/ other certificates** as proof of residency** of the **applicant** or his/ her **father/mother** from the appropriate authority, which one is applicable
5. **Caste (SC/ ST) Certificate** of the candidate from the appropriate authority where applicable
6. **Persons with Disabilities (PwD) Certificate** issued by District Disabilities Rehabilitation Centres (DDRC) or competent authority approved by the State Government, if any
7. **Ward of Ex-Serviceman Certificate** from Directorate of Sainik Welfare
8. **BPL ration card** from the appropriate authority where applicable
9. Certificate regarding the period of stay of Candidate / Father / Mother for not less than five years in case of wards of Ex-Serviceman/ Serving Defence Personnel, issued by the appropriate authority, where necessary
10. Certificate showing the proof of Serving Defence Personnel, issued by the appropriate authority where necessary
11. **Seat surrendered certificate** from concerned department, if applicable

**** Proof of residency:**

Candidates residing in Tripura		Document required
a	For the candidate who is studying in Tripura and residing in Tripura continuously at least for the last ten (10) years immediately before submission of application:	PRTC of the candidate/ father/ mother
b	For the candidate who is studying in Tripura and residing in Tripura continuously for less than ten	PRTC of father/ mother

	(10) years immediately before submission of application:	
c	For the candidate studying in Tripura is a child of Serving Defence Personnel hailing from Tripura (only Army/ Navy/ Air Force) and residing in Tripura continuously for the last five (5) years or more but less than ten (10) years immediately before submission of application:	Certificate of residing of candidate in Tripura continuously for a period of 5(five) years or more and proof of employment & place of posting of parent from the appropriate authority)
d	In case candidate studying in Tripura is not permanent resident of Tripura but his/her parent is an employee on deputation to the government of Tripura/employee of Central Government working in Tripura and has served in Tripura continuously for a period of 3(three) years or more:	Certificate of employment and residing of parents in Tripura continuously for a period of 3(three) years or more from the appropriate authority)
Candidates residing outside Tripura		
	In case the candidates is studying outside Tripura immediately before submission of application but his/ her father/ mother residing in Tripura continuously for the last ten (10) years or more:	PRTC of father/ mother
Candidates residing in or outside Tripura (whose Prior stay in Tripura not Mandatory)		
	In case the candidate is a child of All India Services Officers borne in Manipur-Tripura cadre and the children of employees of the state government posted outside Tripura:	Relevant certificate from the appropriate authority
	In case the candidate studying in or outside Tripura is child of Ex-Serviceman (retired Army/ Navy/ Air force only), and the candidate/ father/ mother residing in Tripura continuously for the last five (5) years or more but less than ten (10) years immediately before submission of application:	Certificate of- 1) residing of candidate (if studying in Tripura) or father/ mother (if studying outside) in Tripura continuously for a period of 5(five) years more from appropriate authority and 2) ward of Ex-Serviceman from Rajya Sainik Board.

**** Proof of residency:**

Candidates residing in Tripura		Document required
a	For the candidate who is studying in Tripura and residing in Tripura continuously at least for the last ten (10) years immediately before submission of application:	PRTC of the candidate/ father/ mother
b	For the candidate who is studying in Tripura and residing in Tripura continuously for less than ten (10) years immediately before submission of application:	PRTC of father/ mother
c	For the candidate studying in Tripura is a child of Serving Defence Personnel hailing from Tripura (only Army/ Navy/ Air Force) and residing in Tripura continuously for the last five (5) years or more but less than ten (10) years immediately	Certificate of residing of candidate in Tripura continuously for a period of 5(five) years or more and proof of employment &

	before submission of application:	place of posting of parent from the appropriate authority)
d	In case candidate studying in Tripura is not permanent resident of Tripura but his/her parent is an employee on deputation to the government of Tripura/employee of Central Government working in Tripura and has served in Tripura continuously for a period of 3(three) years or more:	Certificate of employment and residing of parents in Tripura continuously for a period of 3(three) years or more from the appropriate authority)
Candidates residing outside Tripura		
	In case the candidates is studying outside Tripura immediately before submission of application but his/ her father/ mother residing in Tripura continuously for the last ten (10) years or more:	PRTC of father/ mother
Candidates residing in or outside Tripura (whose Prior stay in Tripura not Mandatory)		
	In case the candidate is a child of All India Services Officers borne in Manipur-Tripura cadre and the children of employees of the state government posted outside Tripura:	Relevant certificate from the appropriate authority
	In case the candidate studying in or outside Tripura is child of Ex-Serviceman (retired Army/ Navy/ Air force only), and the candidate/ father/ mother residing in Tripura continuously for the last five (5) years or more but less than ten (10) years immediately before submission of application:	Certificate of- 1) residing of candidate (if studying in Tripura) or father/ mother (if studying outside) in Tripura continuously for a period of 5(five) years more from appropriate authority and 2) ward of Ex-Serviceman from Rajya Sainik Board.